

PROJECT DETAIL REPORT

Project Name: Lovett Road – Greenwell Springs Road
(program #NFE-C-0006)

Project Type: Capacity

City-Parish Project #: To be determined

Project Description: The purpose of the NFE-C-0006 (Lovett Road – Greenwell Springs Road) project is to increase the capacity of the forcemain system in the North East Forcemain basin to assist in transferring peak flows to the main sewer system along Hooper Road and to increase the capacity of the gravity sewer systems upstream of PS 155, PS 195, PS 200, and PS 231.

Design Consultant: To be determined

Construction Contractor: To be determined

Project Schedule:

PHASE	START	END	STATUS
Design	August 2011	December 2012	0% complete
Construction Bid Phase	December 2012	February 2013	0% complete
Construction	February 2013	December 2014	0% complete

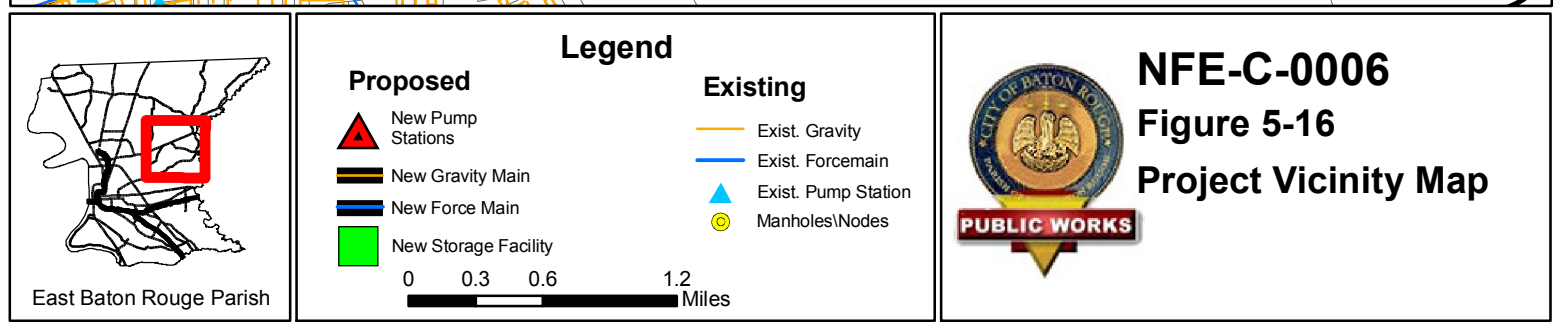
Project Budget:

CITY APPROPRIATIONS TO-DATE

**PROGRAM
BUDGET**

Account	Budget To-Date	Encumbrances	Expenses	Balance	Program Delivery Plan
Design	\$0	\$0	\$0	\$0	\$1,040,000
Inspection	\$0	\$0	\$0	\$0	\$0
Miscellaneous	\$0	\$0	\$0	\$0	\$0
Contingencies	\$0	\$0	\$0	\$0	\$0
Right-of-Way Acquisition	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$15,690,000
TOTAL	\$ 0	\$ 0	\$ 0	\$ 0	\$16,730,000

Attachments: Project Vicinity Map
 Project Detail Report
(In-Depth Project Description taken from the Program Delivery Plan)



Project Vicinity Map

5.4.6 NFE-C-0006 (Lovett Road – Greenwell Springs Road)

Project Description

Purpose of the Project / Background Information

The purpose of the NFE-C-0006 (Lovett Road – Greenwell Springs Road) project is to increase the capacity of the forcemain system in the North East Forcemain Basin to assist in transferring peak flows to the main STN sewer along Hooper Road and to increase the capacity of the gravity sewer systems upstream of PS 155, PS 195, PS 200, and PS 231. The gravity sewer replacement will work to alleviate chronic SSOs in the gravity basins upstream of these pump stations.

Location

Gravity segment 155-00037 to PS 155 begins at manhole 155-00037, located near the intersection of Crystal Drive and Libra Avenue and heads north along Crystal Drive to its termination point at PS 155, located near the intersection of Crystal Drive and Taurus Avenue.

Gravity segment 195-00004 to PS 195 begins at manhole 195-00004, located east of the intersection of Suncrest Avenue and Bretshire Drive, and heads generally east through a servitude in a forested area to PS 195, which is located just south of the south end of Stoneshire Drive.

Gravity segment 200-00011 to PS 200 starts at manhole 200-00011, located east of the intersection of Keystone Avenue and Bridgeport Drive, and heads east along Keystone Avenue to PS 200, located on Keystone Avenue, in between Teah Drive and Tarrora Drive.

Gravity segment 231-00015 to PS 231 begins at manhole 231-00015, located on Sagefield Drive, in between Cornwood Avenue and Morgan Meadow Avenue, and heads south along Sagefield Drive to PS 231, located near the intersection of Sagefield Avenue and Cornwood Avenue.

Forcemain segment PS 181 to NS6088 starts at PS 181, located off of Pinewood Drive, in between Arceneaux Avenue and Denham Avenue, and follows the access road from the pump station to Pinewood Drive, and then follows Pinewood Drive south to node NS6088, located near the intersection of Pinewood Drive and Denham Avenue.

Forcemain segment PS 155 to NS6103 begins at PS 155, located near the intersection of Crystal Drive and Taurus Avenue, and follows Taurus Avenue west to node NS6103, located near the intersection of Taurus Avenue and West Beaver Drive.

Forcemain segment PS 106 to NS6128 begins at PS 106, located near the intersection of Palomino Drive and Paint Avenue, heads north along Palomino Drive, turns west on Shetland Avenue, and terminates at node NS6128, which is located in an open area, just south of the intersection of Libra Avenue and Crystal Drive.

Forcemain segment PS 233 to NS6189 begins at PS 233, located at the south end of Sage Drive, heads north along Sage Drive and Cimmaron Drive, turns southwest at Hooper Road, and terminates at node NS6189, located at the intersection of Hooper Road and Sullivan Road.

Forcemain segment PS 234 to NS 6189 starts at PS 234, located at the intersection of Dorset Avenue and York Road, heads west on Dorset Avenue, turns southeast on Sullivan Road, and terminates at node NS6189, located at the intersection of Hooper Road and Sullivan Road.

Forcemain segment PS 249 to NS 6239 starts at PS 249, located near the intersection of Durmast Drive and Roble Avenue, heads south along Durmast Drive, turns west on Wax Road, and terminates at node NS6239, located near the intersection of Wax Road and Brookside Road.

Forcemain segment NS 6268A to NS 6393 begins at new node NS 6268A, located just southwest of the intersection of Regent Avenue and Overwood Drive, and follows a drainage path roughly south to node NS6393, located on Greenwell Springs Road, in between Greenmeadow Drive and Sullivan Road.

Forcemain segment PS 200 to NS 6391 starts at PS 200, located on Keystone Avenue, in between Teah Drive and Tarrora Drive, follows Gottlieb Road and a drainage path generally northwest, turns southwest on Greenwell Springs Road, and follows Greenwell Springs Road to NS6391, located on Greenwell Springs Road in between Greenmeadow Drive and Sullivan Road.

Forcemain segment PS 285 to NS 6406 begins at PS 285, located on Bristlecone Court, just north of its intersection with Evergreen Hills Avenue, and follows a servitude to the northwest to PS 164, located at the eastern end of Stoneridge Drive. From PS 164, the forcemain follows Stoneridge Drive west, turns north at Donnybrook Avenue, and terminates at node NS6406, located near the intersection of Donnybrook Avenue and Greenwell Springs Road.

Forcemain segment PS 113 to NS 6431 starts at PS 113, located near the intersection of Triple B Road and Chapparal Place, heads east along Triple B Road, and terminates at node NS6431, located near the intersection of Triple B Road and Sullivan Road.

Forcemain segment PS 160 to NS 6419, begins at PS 160, located near the intersection of Chambord Drive and Chaumont Avenue, heads southwest along Chaumont Avenue, turns northwest on Frenchtown Road, turns northeast on Greenwell Springs Road, and follows Greenwell Springs Road to node NS6419, located near the drainage path that is in between Sullivan Road and Greenmeadow Drive.

Forcemain segment PS 207 to NS 6489 begins at PS 207, located near the intersection of Red Maple Place and Post Oak Court, heads north along Post Oak Court, turn east on Country Road, turns northwest on Frenchtown Road, and terminates at node NS 6489, located near the intersection of Frenchtown Road and Chaumont Road.

Forcemain segment PS 152 to NS 6377 starts at PS 152, located just southwest of the intersection of Pecos Avenue and Prairie Drive, heads east to Prairie Drive, turns north on Prairie Drive, and terminates at node NS 6377, located near the intersection of Prairie Drive and Lovett Road.

Forcemain segment PS 231 to NS 6328 begins at PS 231, located near the intersection of Sagefield Avenue and Cornwood Avenue, heads south through a wooded area, and terminates at node NS 6328, located on Lovett Road, approximately 3,500 feet east of its intersection with Joor Road.

Forcemain segment PS 195 to NS 6308 begins at PS 195, located just south of the south end of Stoneshire Drive, goes north along Stoneshire Road, turns west on Landfair Road, turns north on Burtcliff Drive, turns west on Tynwood Avenue, turns north on Joor Road, and terminates at node NS 6308, located at the intersection of Joor Road and Lovett Road.

Forcemain segment PS 69 to NS 6257 starts at PS 69, located in between the eastern ends of Tanglewood Drive and Rustling Oaks Drive, heads north on Tanglewood Road, and terminates at node NS 6257, located near the intersection of Tanglewood Drive and Lovett Road.

Forcemain segment BPS 510 to NS 6252 begins at BPS 510, which will be abandoned as part of project NFE-C-0007 (Multiple BPS – Hooper Road – Lovett Road), located near the intersection of Sullivan Road and Lovett Road. From BPS 510, the forcemain follows Lovett Road west and north to node NS 6252, located near the intersection of Lovett Road and Hooper Road.

Scope

This project includes construction of approximately 5,200 feet of 10-inch, 12-inch, and 15-inch gravity sewer upstream of PS 155, PS 195, PS 200, and PS 231. This project also includes construction of approximately 111,700 feet of 6-inch, 8-inch, 10-inch, 12-inch, 14-inch, 16-inch, 18-inch, 24-inch, and 30-inch forcemain in the North Forced East Basin. The detailed scope of the project is shown in Table 5-13

TABLE 5-13
NFE-C-0006 (Lovett Road – Greenwell Springs Road)

US Node	DS Node	Length (ft)	Existing Diameter (in)	Proposed Diameter (in)
155-00037	155-00031	706	8	10
155-00031	155-00013	1230	8	12
155-00013	PS155	419	10	15
195-00004	PS 195	939	8	12
200-00011	PS 200	369	8	12
231-00015	231-00013	503	8	12
231-00013	PS 231	1039	8	15
PS181	NS6088	1838	6	10
PS155	NS6103	1894	8	10
PS106	NS6134	2455	6	10
NS6134	NS6128	3095	8	10
PS233	NS6165	2059	4	6
NS6165	NS6183	2988	18	24
NS6183	NS6189	1448	18	24
PS234	NS6150	3391	4	8
NS6150	NS6157	2317	10	16
NS6157	NS6189	3037	14	24
PS249	NS6239	9100	8	10
NS6268A	NS6393	4406	12	16

TABLE 5-13
NFE-C-0006 (Lovett Road – Greenwell Springs Road)

US Node	DS Node	Length (ft)	Existing Diameter (in)	Proposed Diameter (in)
PS200	NS6404	4263	8	10
NS6404	NS6395	971	8	10
NS6395	NS6406	3598	10	12
NS6406	NS6419	5947	12	16
NS6419	NS6393	1752	14	18
NS6393	NS6391	378	18	30
PS285	PS164	1300	6	8
PS164	NS6406	3961	6	8
PS113	NS6419	3165	6	8
NS6419	NS6431	2682	12	14
PS160	NS6489	2514	6	10
NS6489	NS6472	2543	8	12
NS6472	NS6419	6106	10	14
PS207	NS6489	1591	4	6
PS152	NS6381	501	4	6
NS6381	NS6377	501	4	6
PS231	NS6328	1715	6	12
PS195	NS6575	7835	8	14
NS6575	NS6308	2917	8	14
PS69	NS6257	1509	6	8
PS510	NS6402	4280	10	30
NS6402	NS6351	4891	20	30
NS6351	NS6328	2200	20	24
NS6328	NS6308	2926	20	30
NS6308	NS6257	4337	24	30
NS6257	NS6252	595	24	30

Note: The existing pipe sizes and lengths were obtained from the BTRSSO hydraulic model.

Total Estimated Construction Cost is \$14,800,000.

Scheduled Design Appropriation Year is 2011.

Scheduled Construction Appropriation Year is 2012.